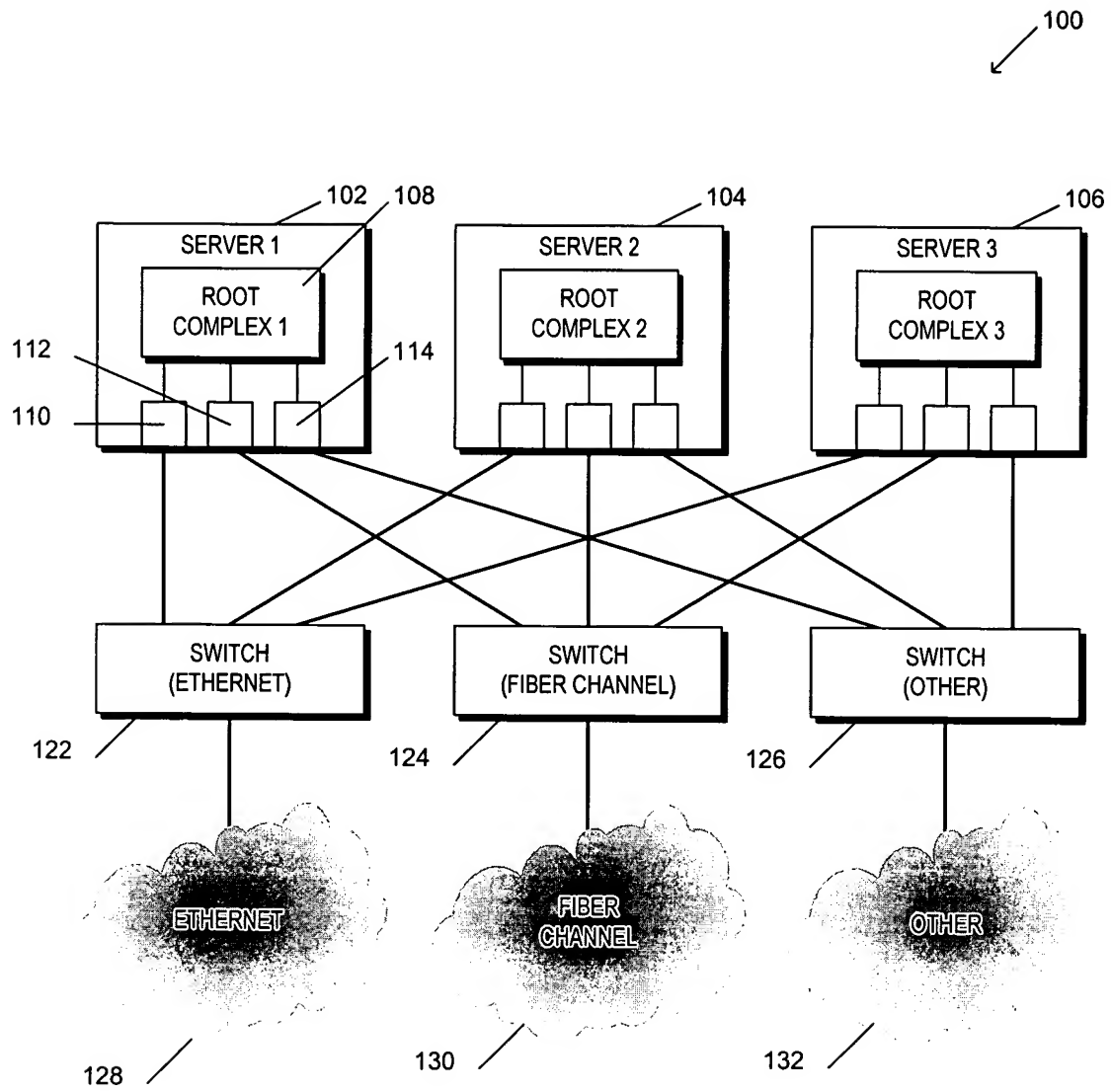


FIG. 1



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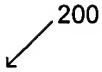


FIG. 2B

## MULTI-SERVERS IN BLADE FORM FACTOR

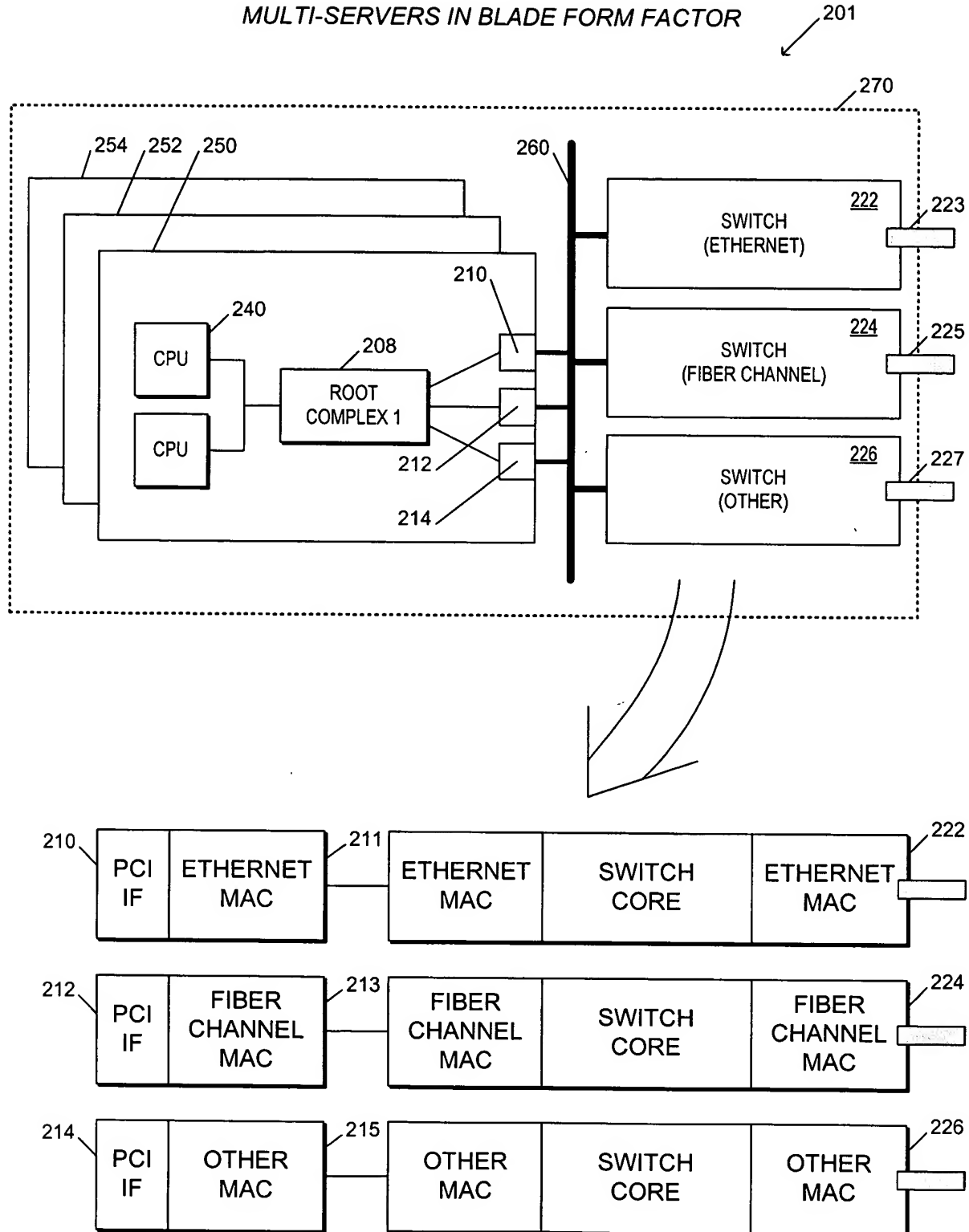


FIG. 2C

MULTI-SERVERS IN BLADE FORM FACTOR (IN CHASSIS)

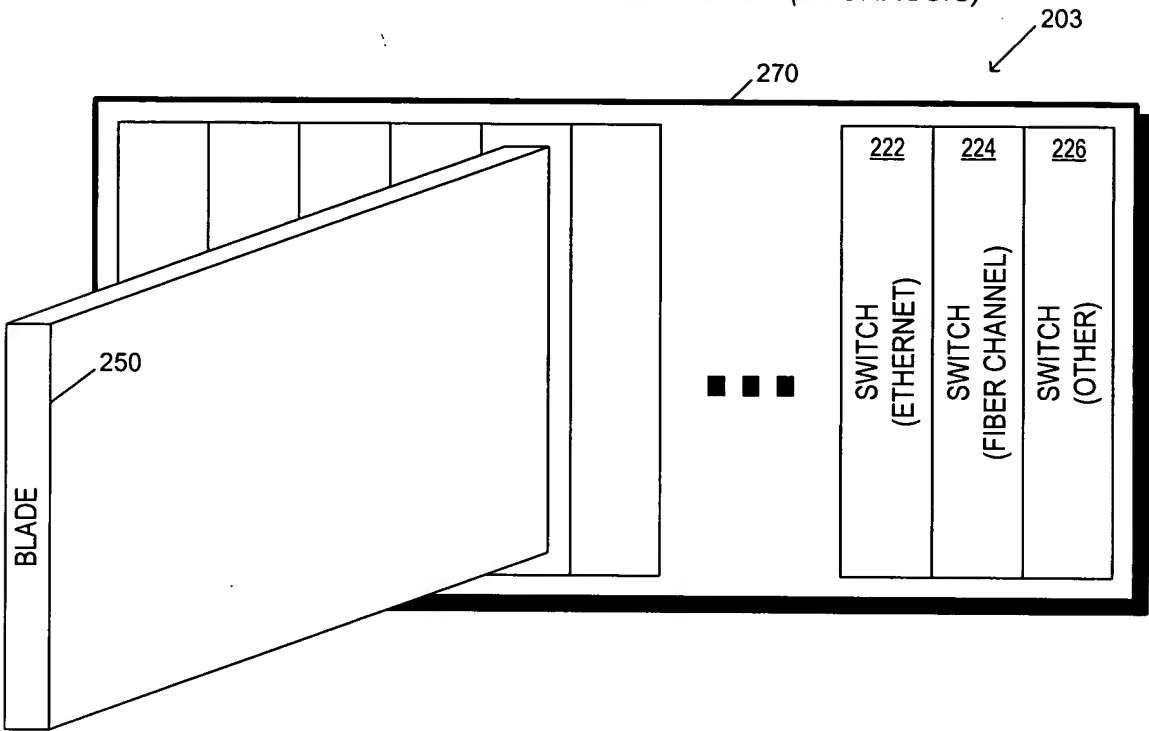


FIG. 3

## PCI EXPRESS SERVER ARCHITECTURE

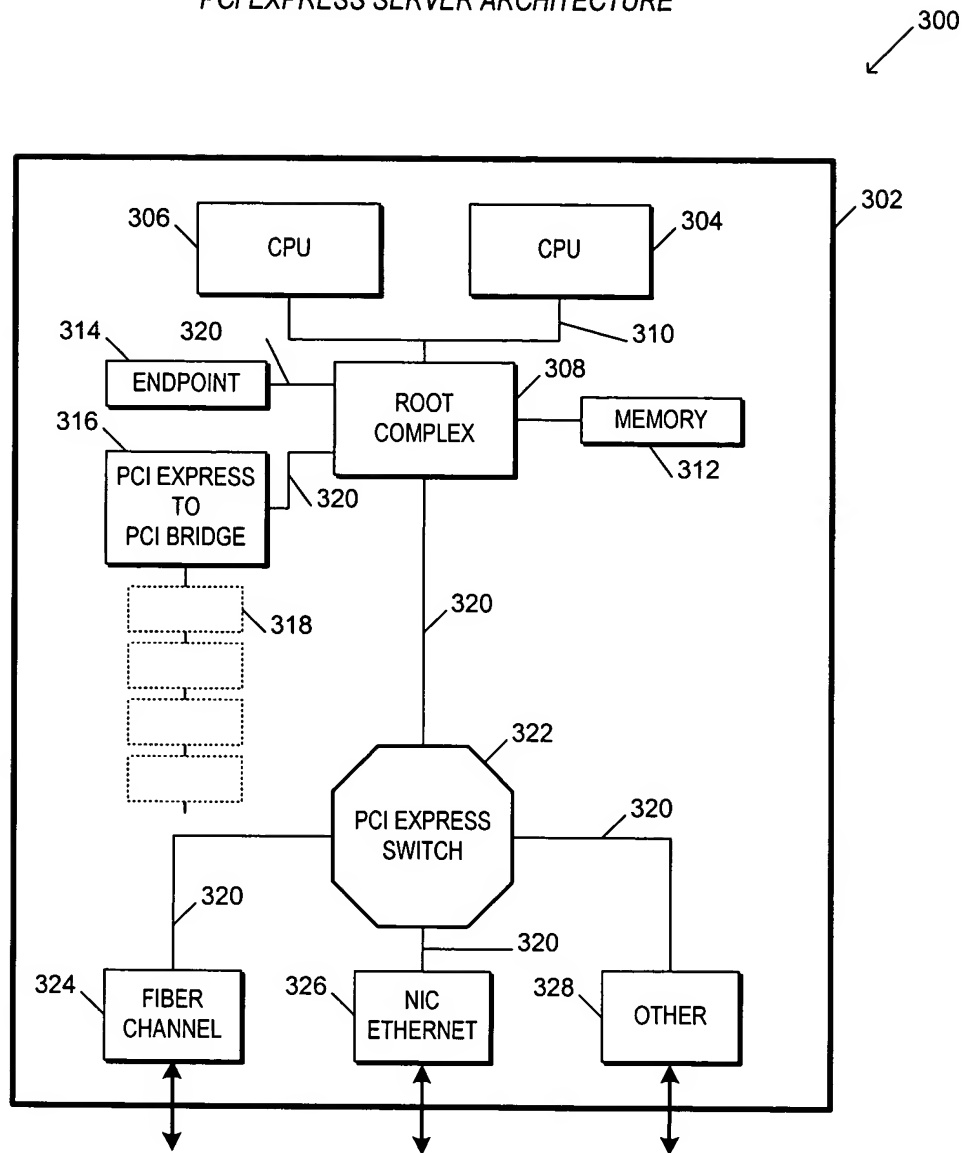


FIG. 4

MULTI-SERVERS IN BLADE FORM FACTOR WITH SHARED I/O SWITCH

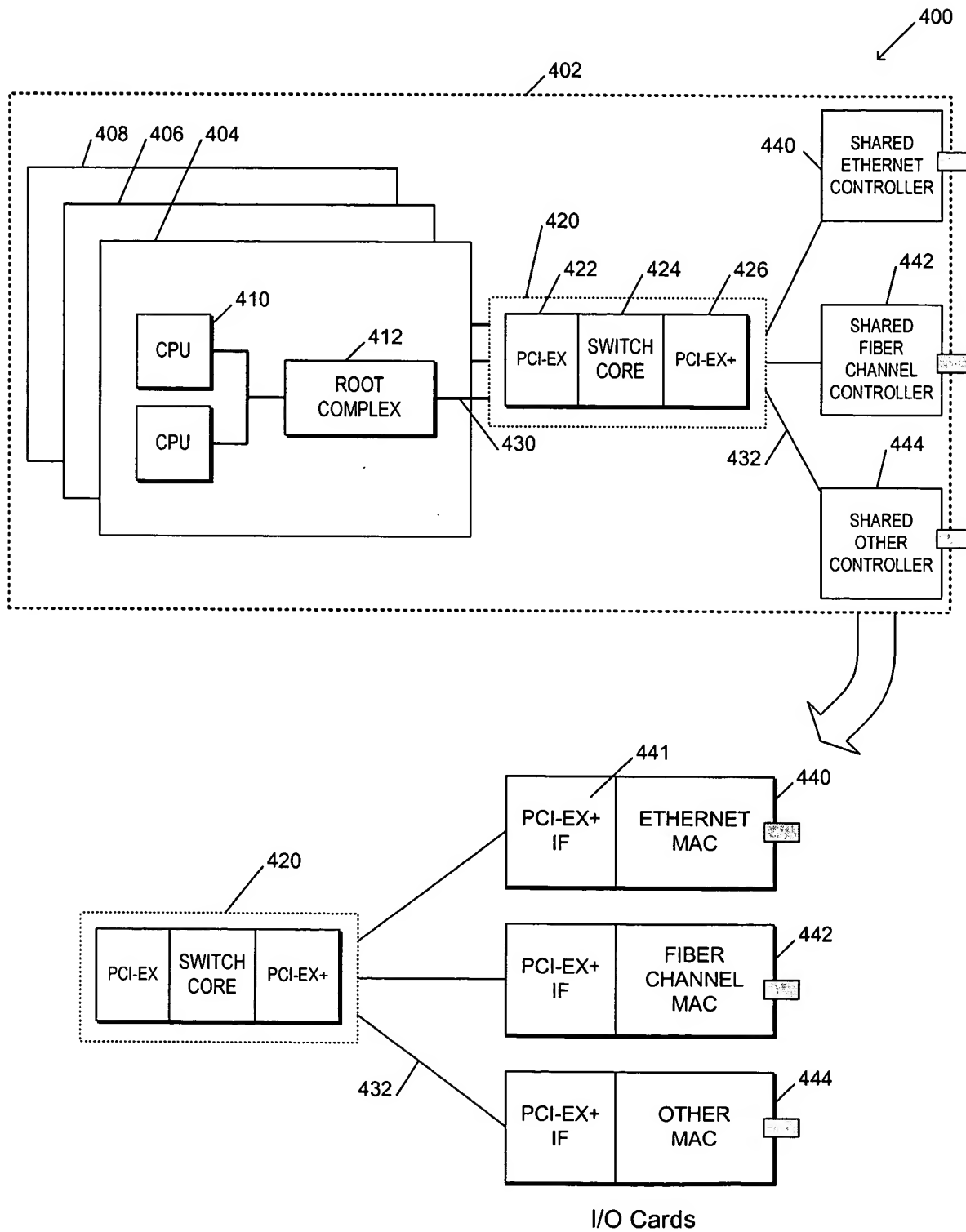


FIG. 5

## MULTI-OPERATING SYSTEMS WITH SHARED I/O

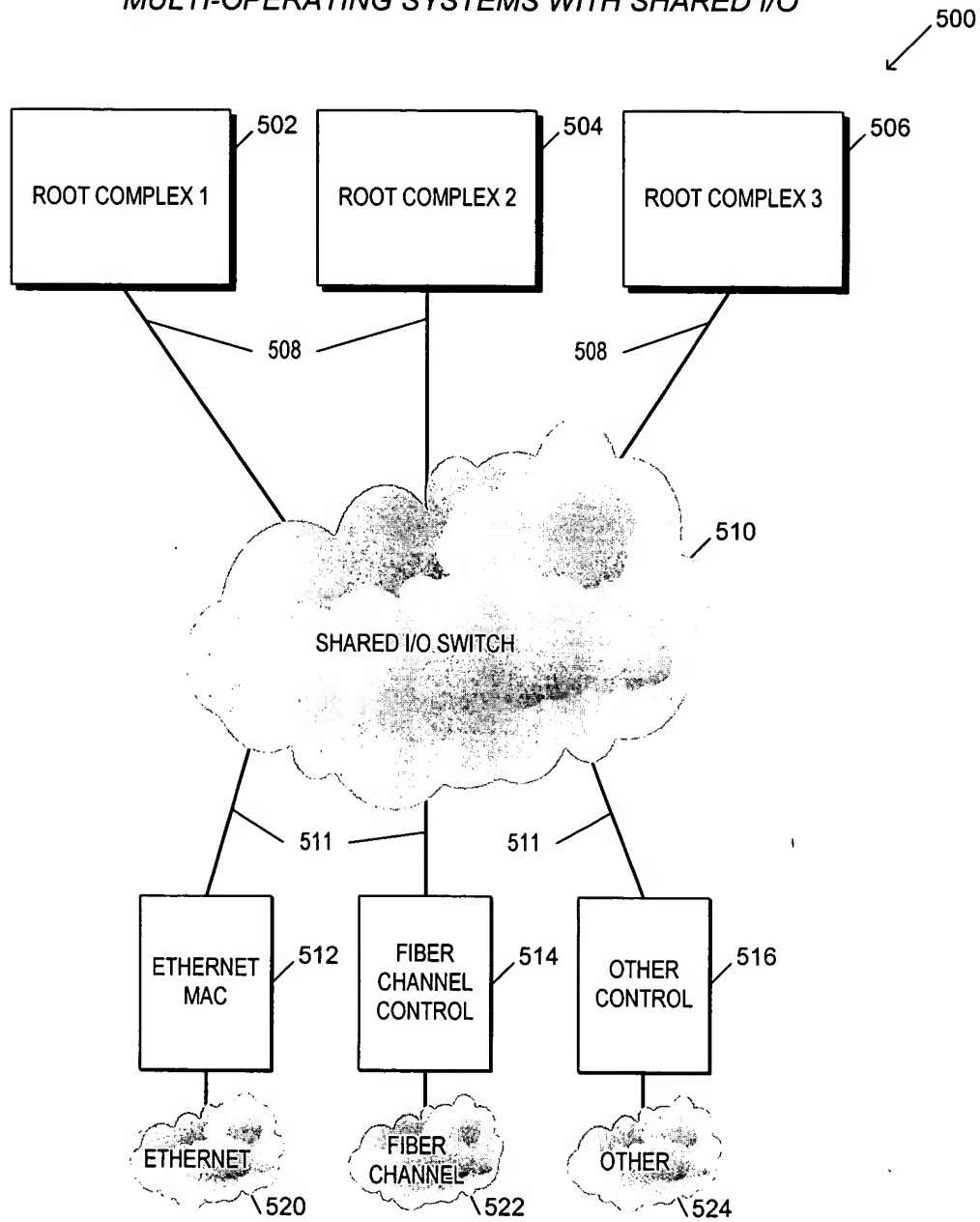


FIG. 6

## MULTI-OPERATING SYSTEMS WITH SHARED ETHERNET CONTROLLER

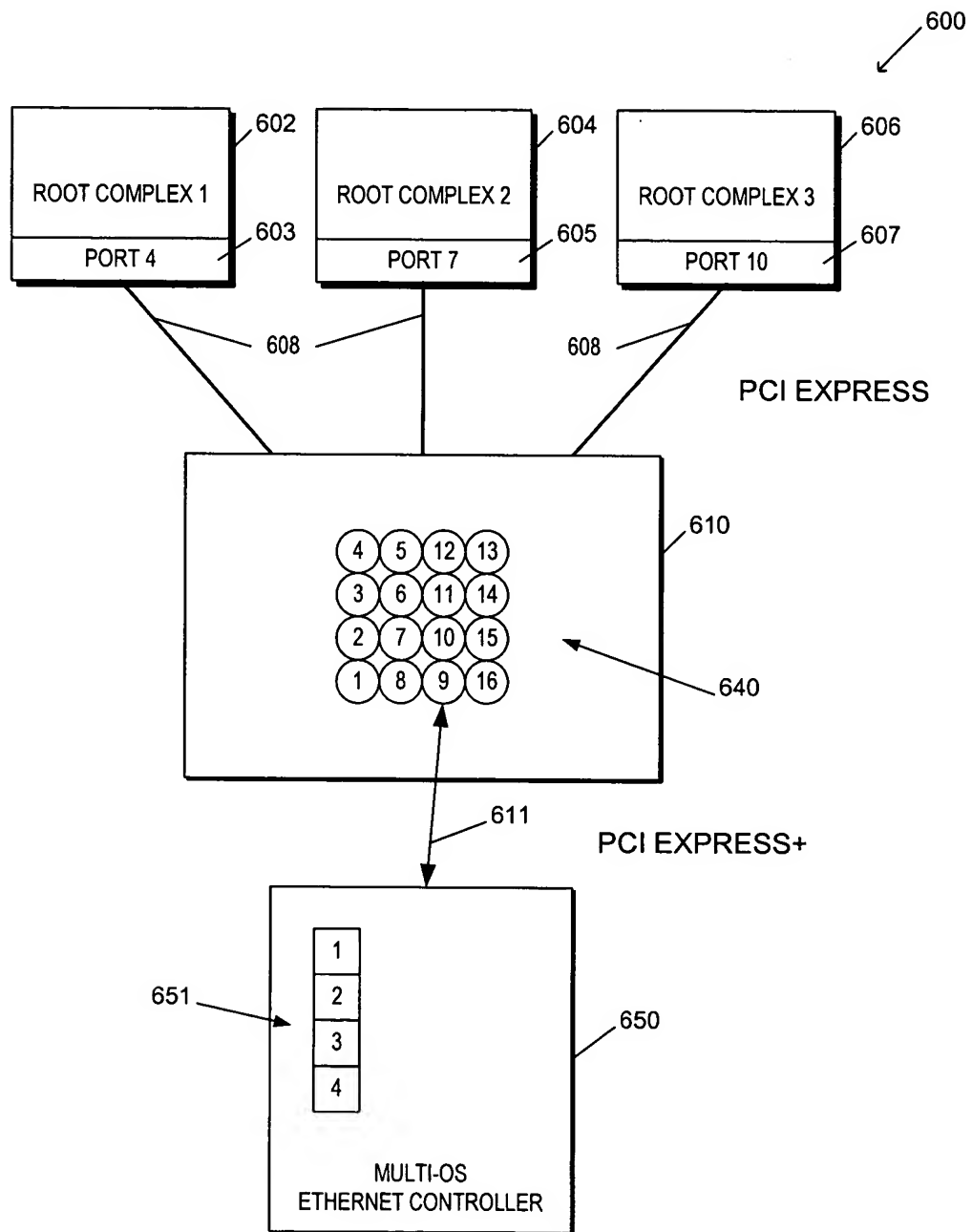




FIG. 7

MULTI-OPERATING SYSTEMS WITH SHARED FIBER CHANNEL CONTROLLER

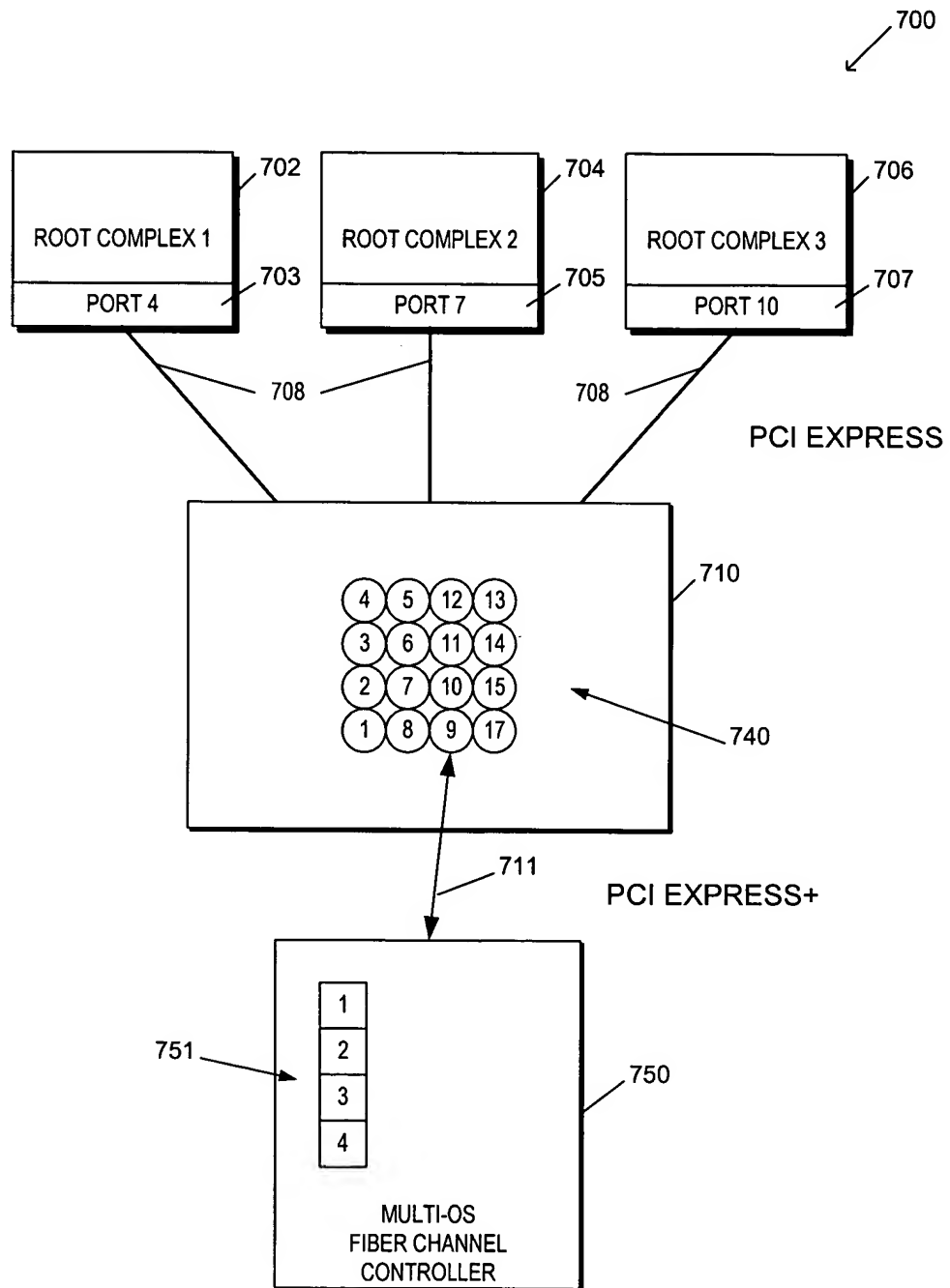


FIG. 8

## MULTI-OPERATING SYSTEMS WITH SHARED OTHER CONTROLLER

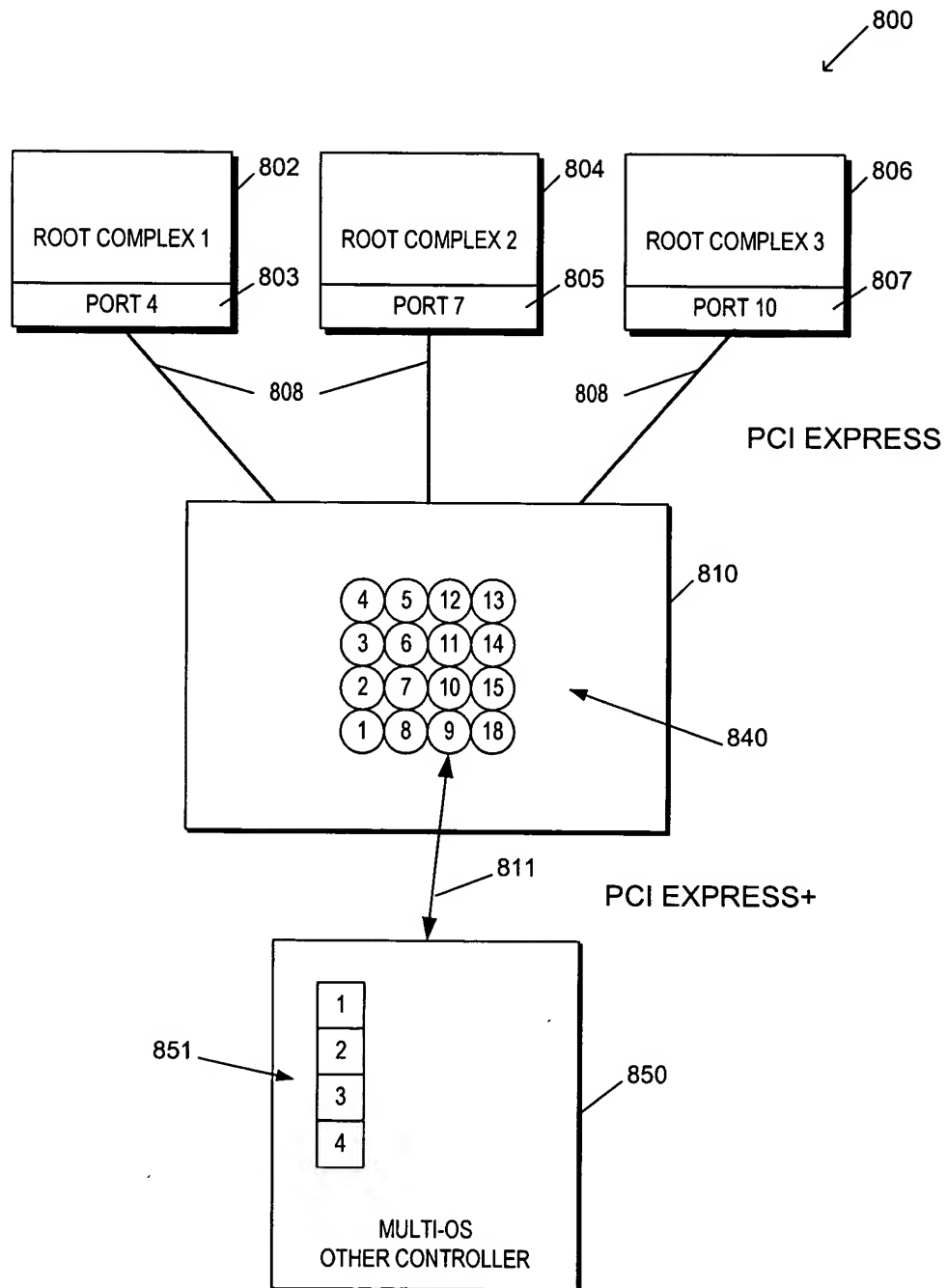


FIG. 9

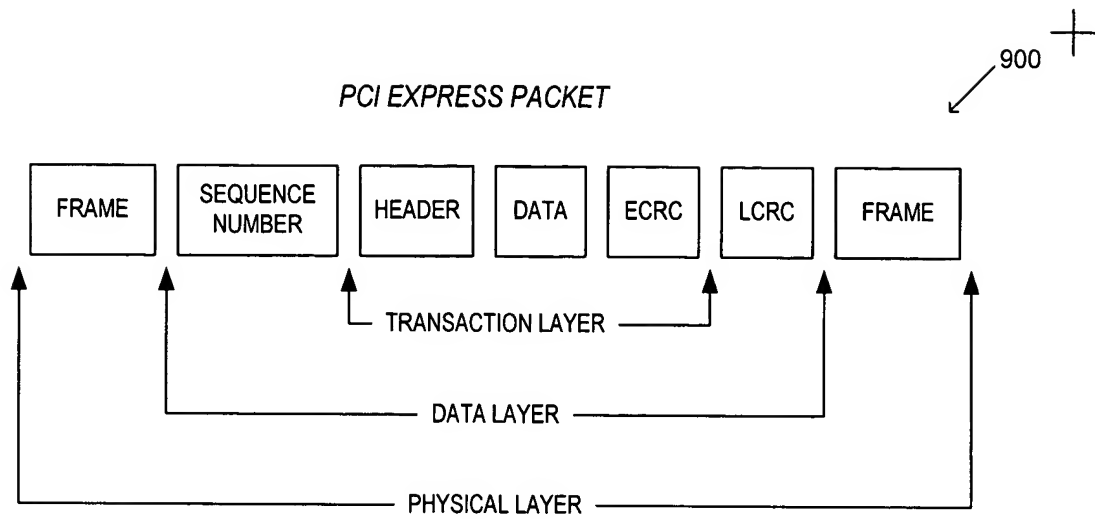


FIG. 10

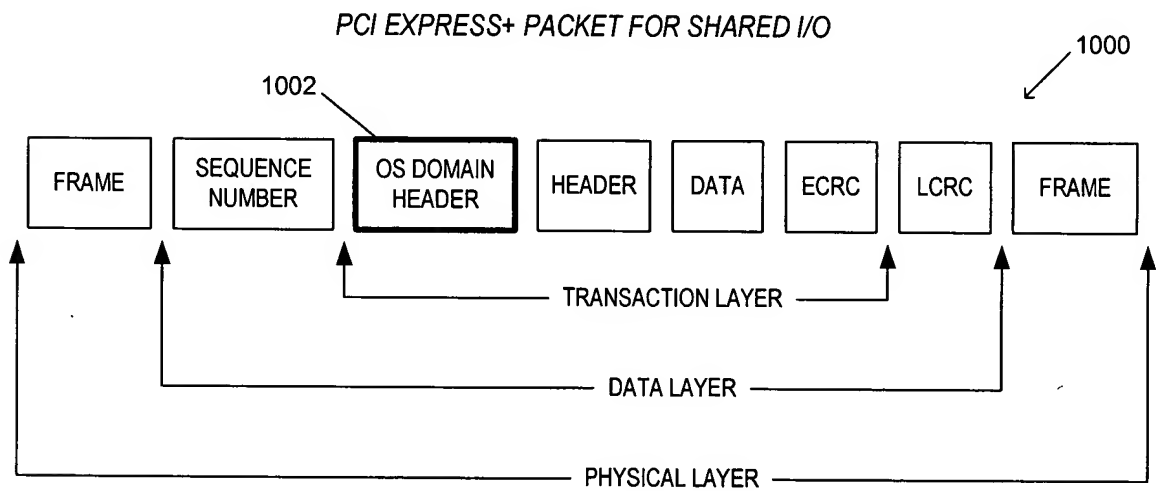
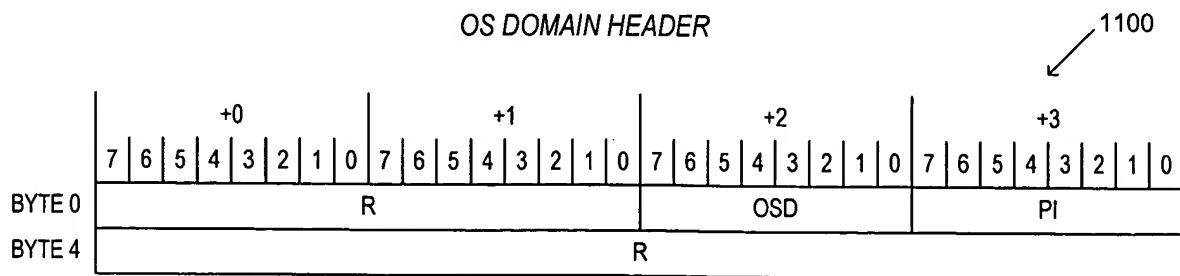


FIG. 11



PI    Protocol ID Field  
 OSD   OS Domain Number  
 R    Reserved

FIG. 12 (Prior Art)

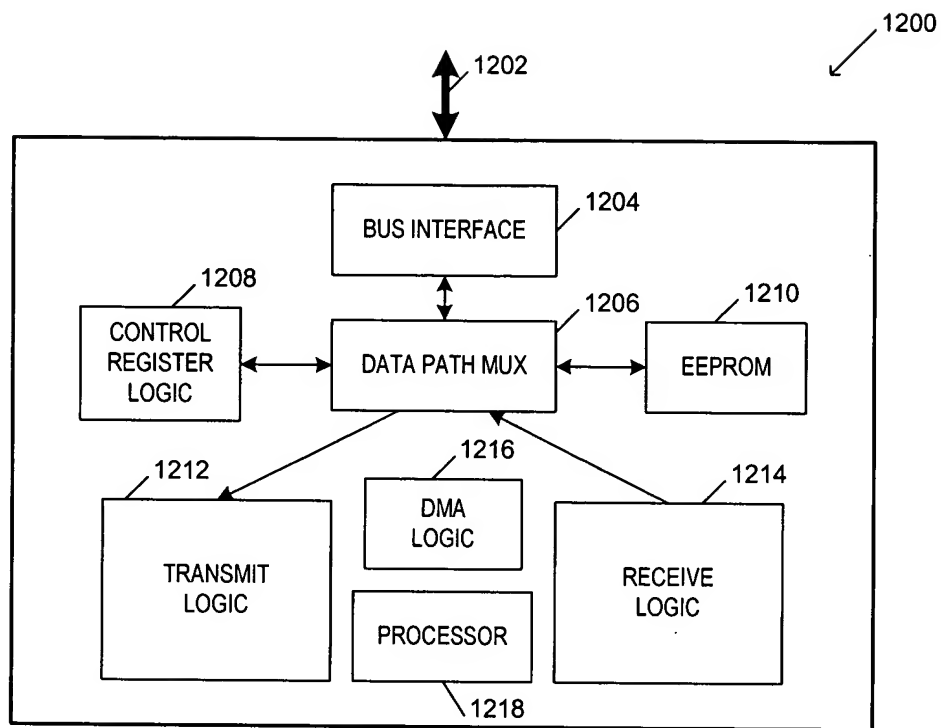


FIG. 13

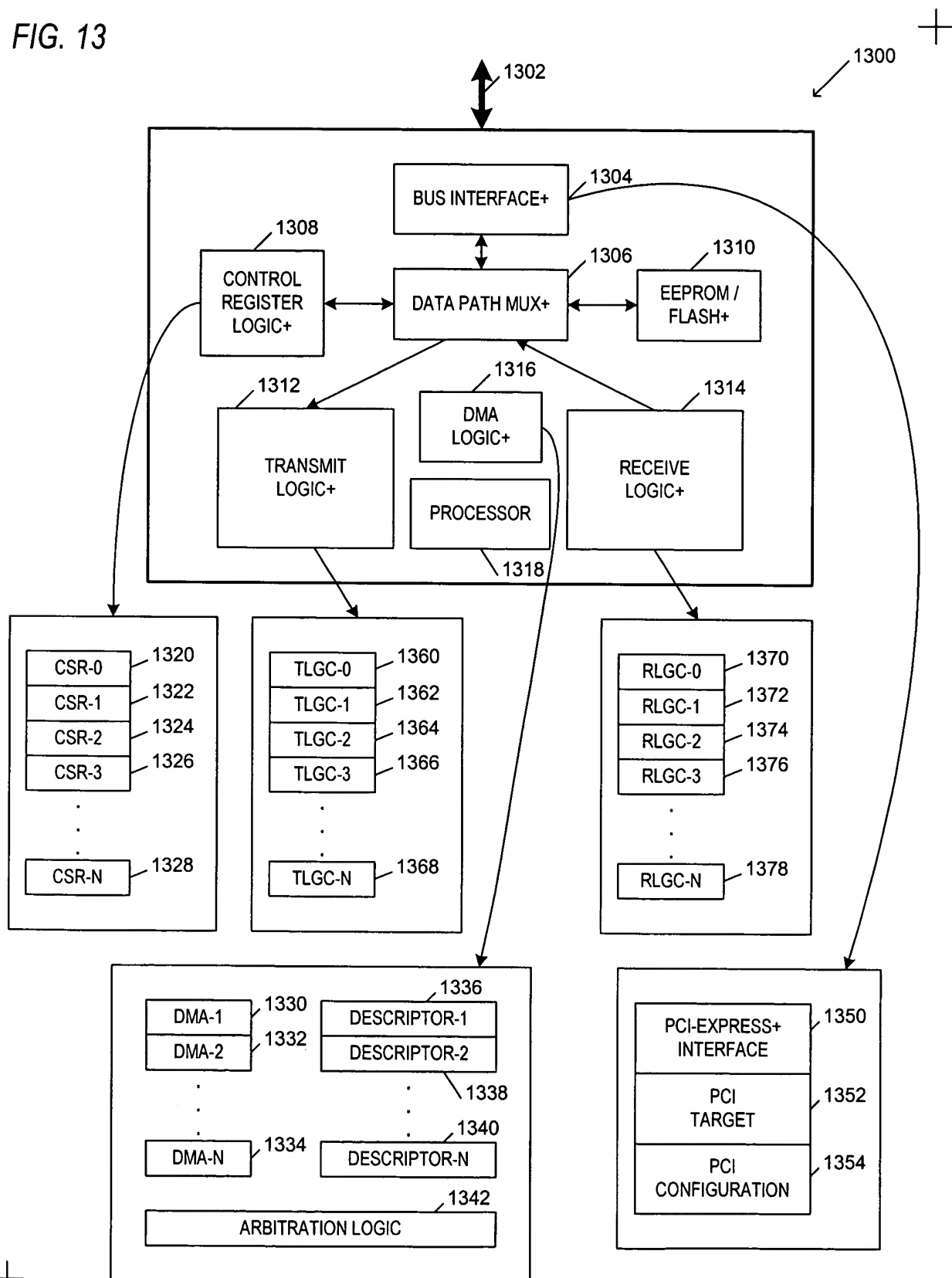


FIG. 14

MULTI-OPERATING SYSTEMS WITH SHARED ETHERNET CONTROLLER  
PACKET FLOW EXAMPLE

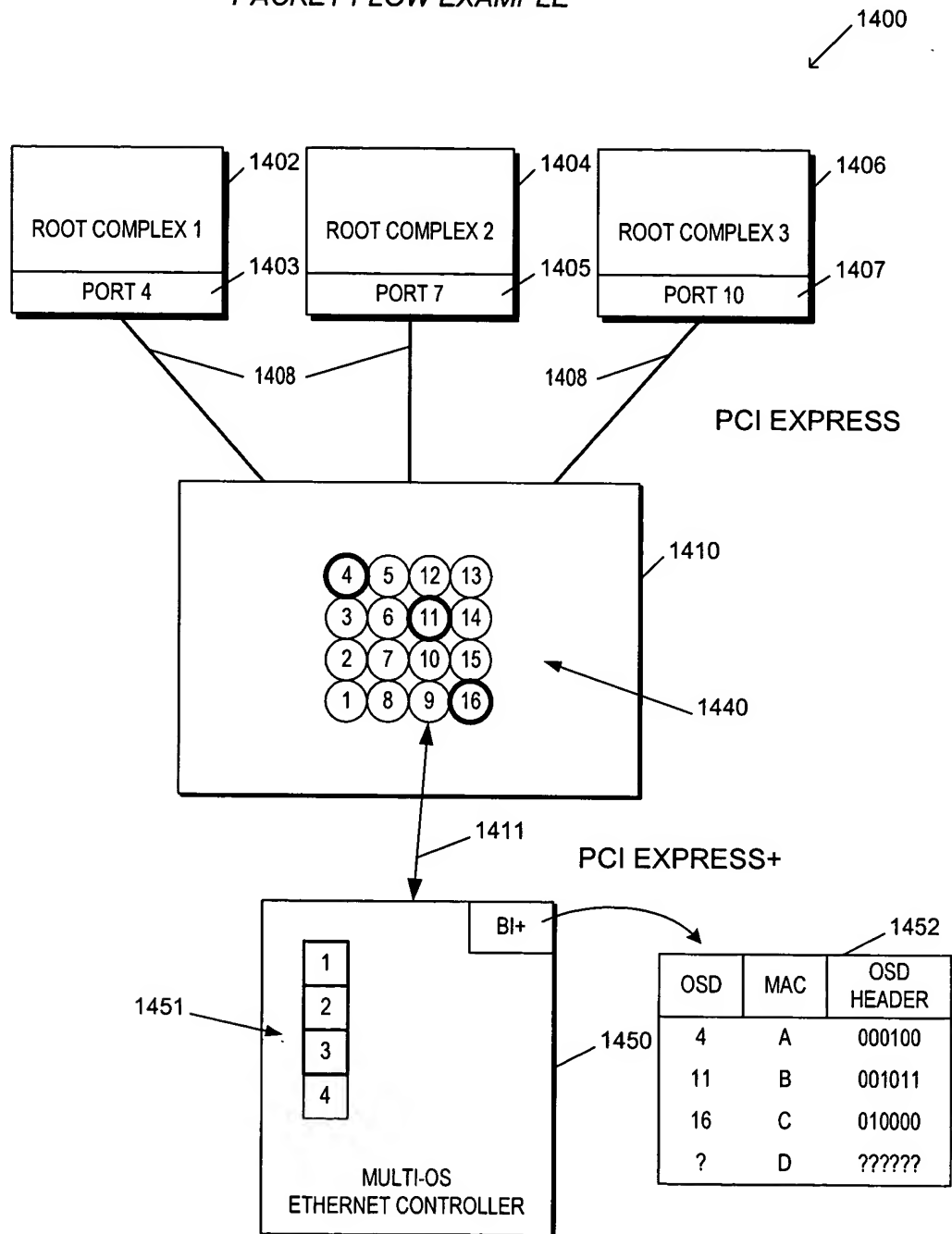


FIG. 15

## METHOD OF SHARED I/O DOWNSTREAM TRANSMISSION FROM SWITCH

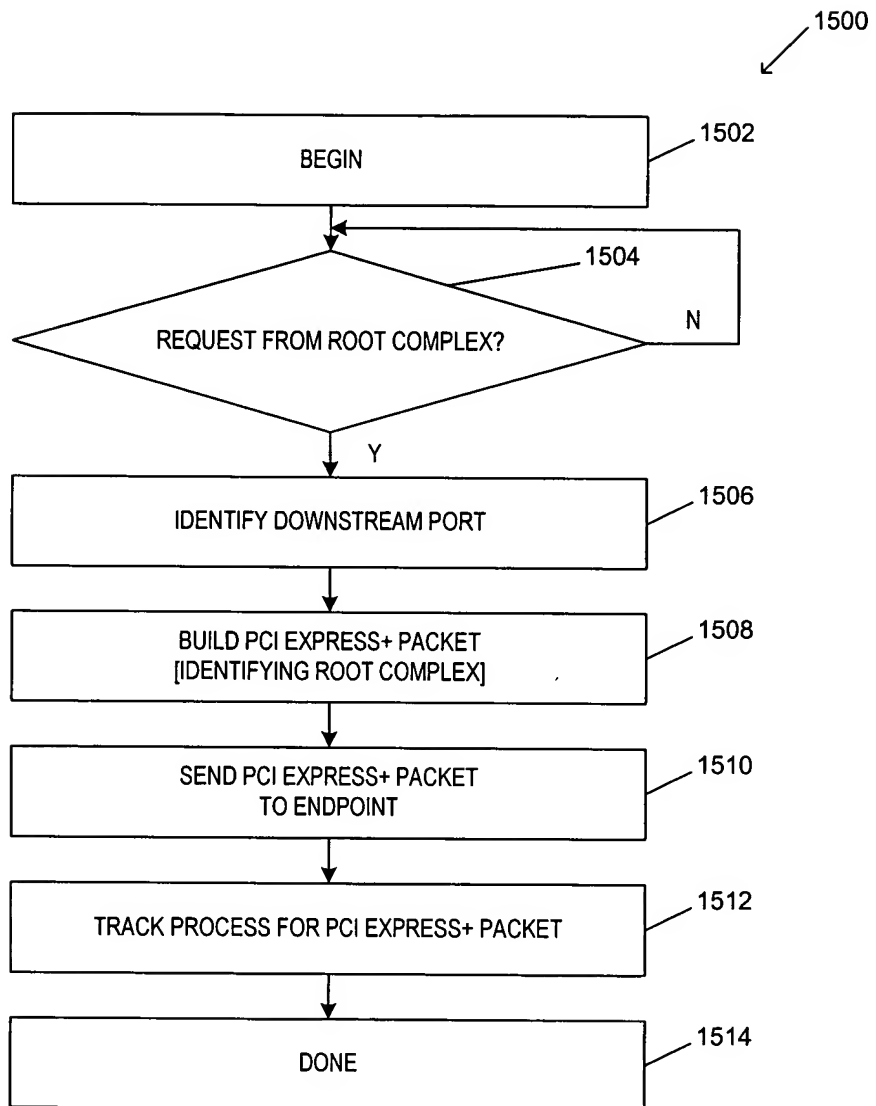


FIG. 16

## METHOD OF SHARED I/O UPSTREAM TRANSMISSION TO SWITCH

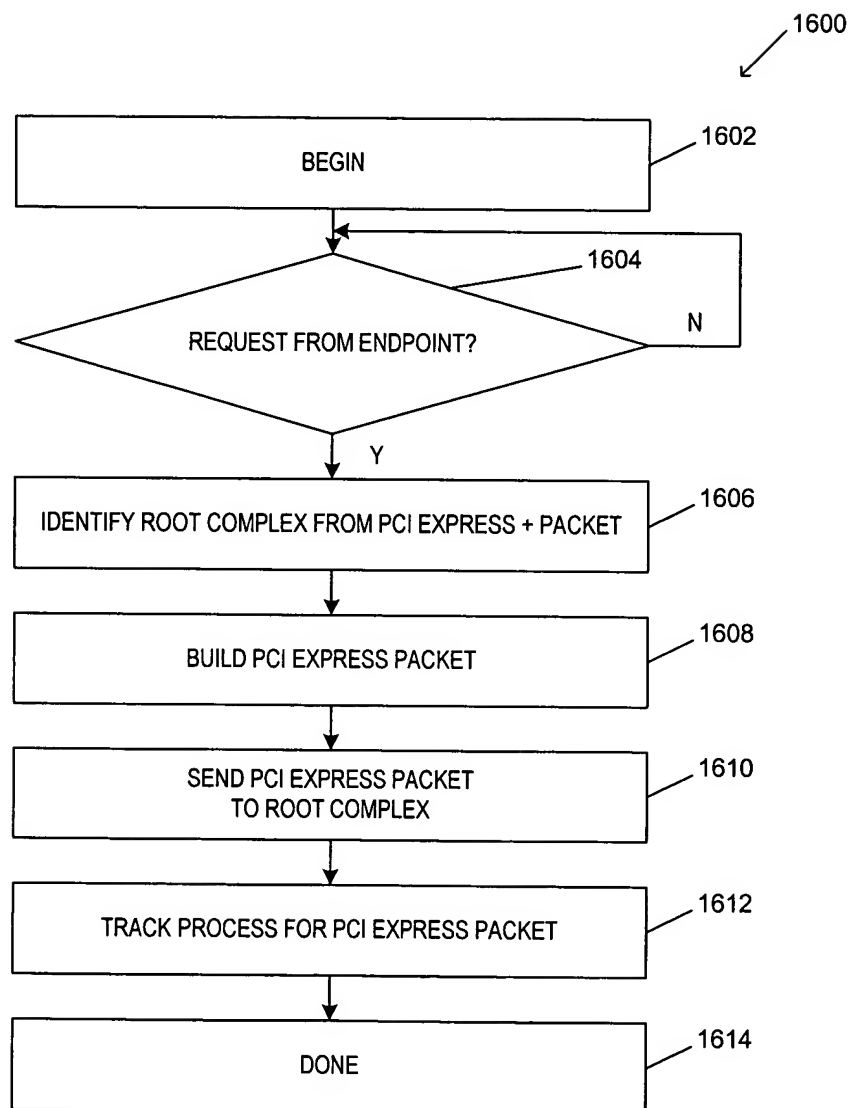




FIG. 17

## METHOD OF SHARED I/O DOWNSTREAM TRANSMISSION TO ENDPOINT

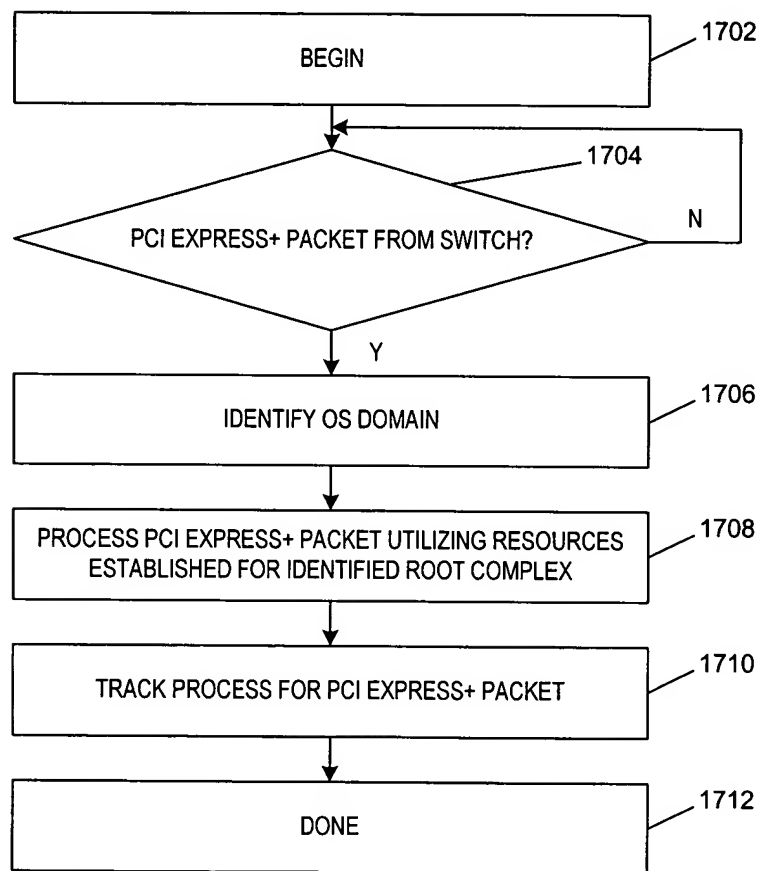


FIG. 18

## METHOD OF SHARED I/O UPSTREAM TRANSMISSION FROM ENDPOINT

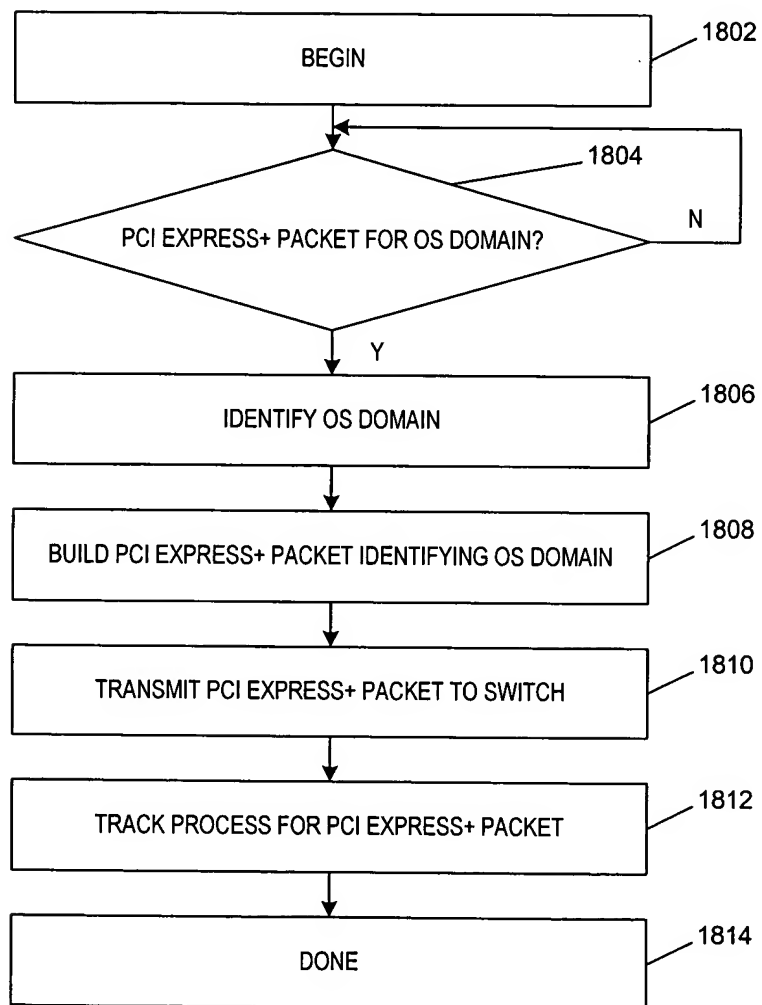
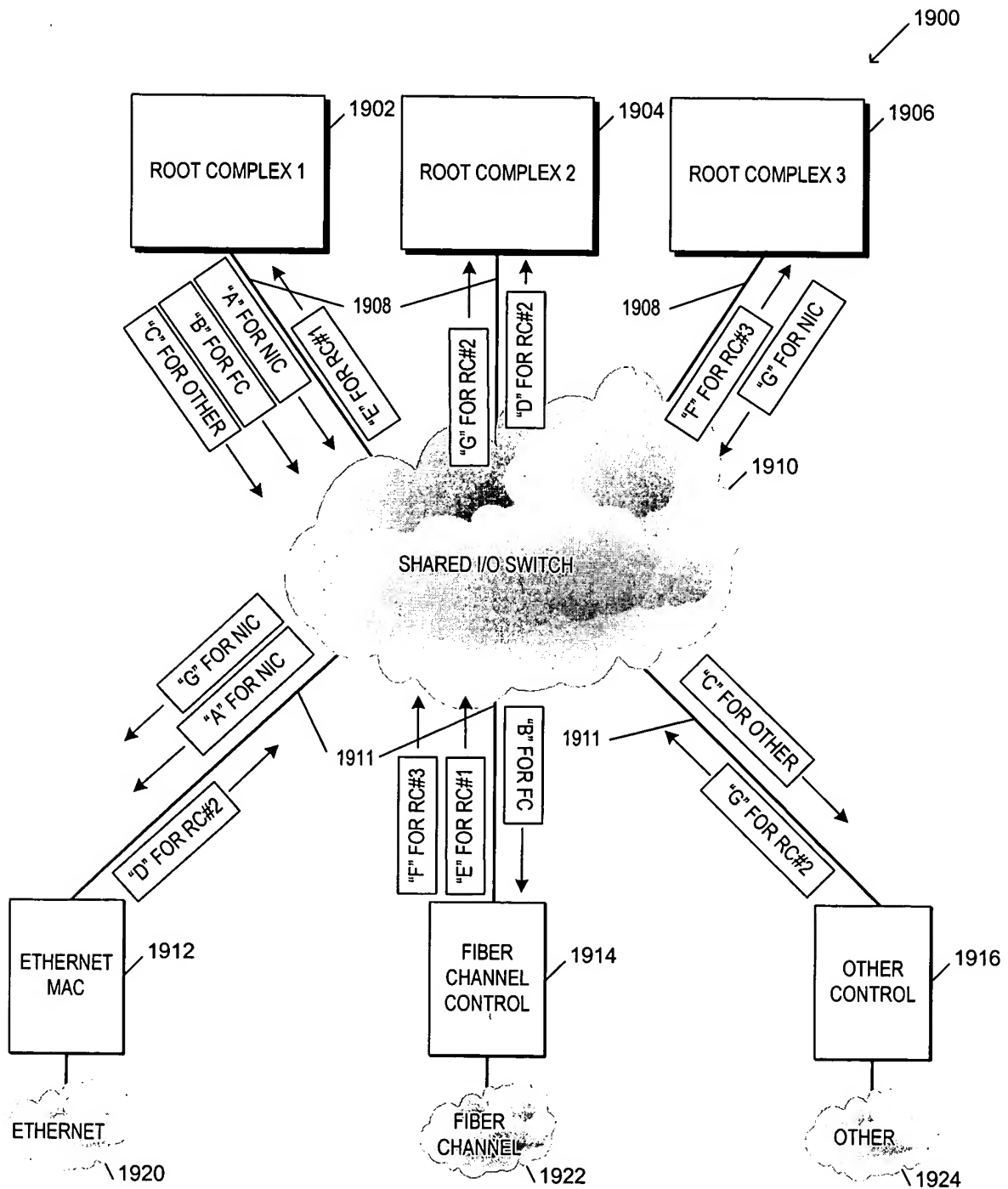


FIG. 19

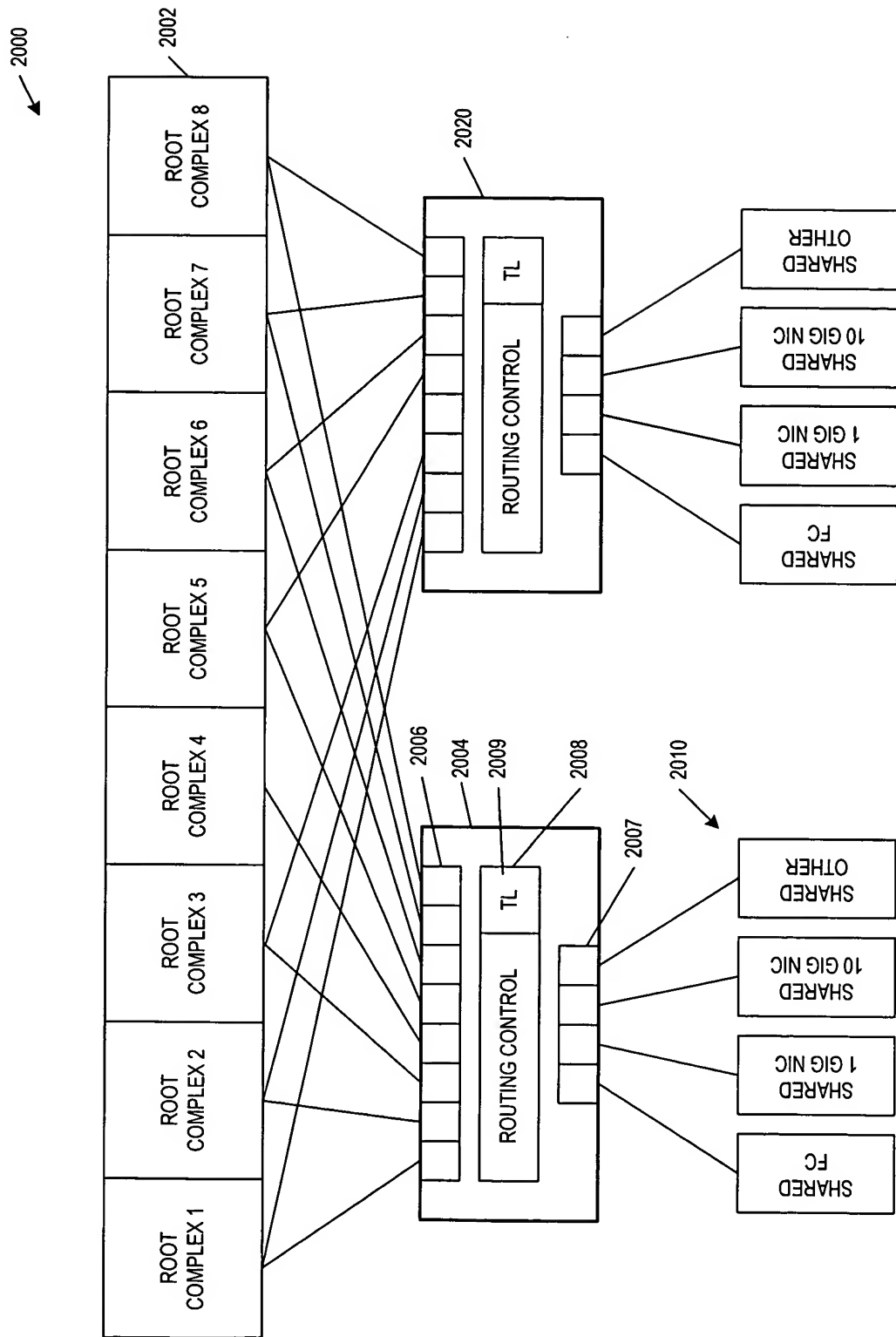
## MULTI-OPERATING SYSTEMS WITH SHARED I/O



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FIG. 20

8 BLADE REDUNDANT ARCHITECTURE WITH SHARED I/O SWITCHES AND ENDPOINTS



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FIG. 21

## EXEMPLARY 16-PORT SHARED I/O SWITCH

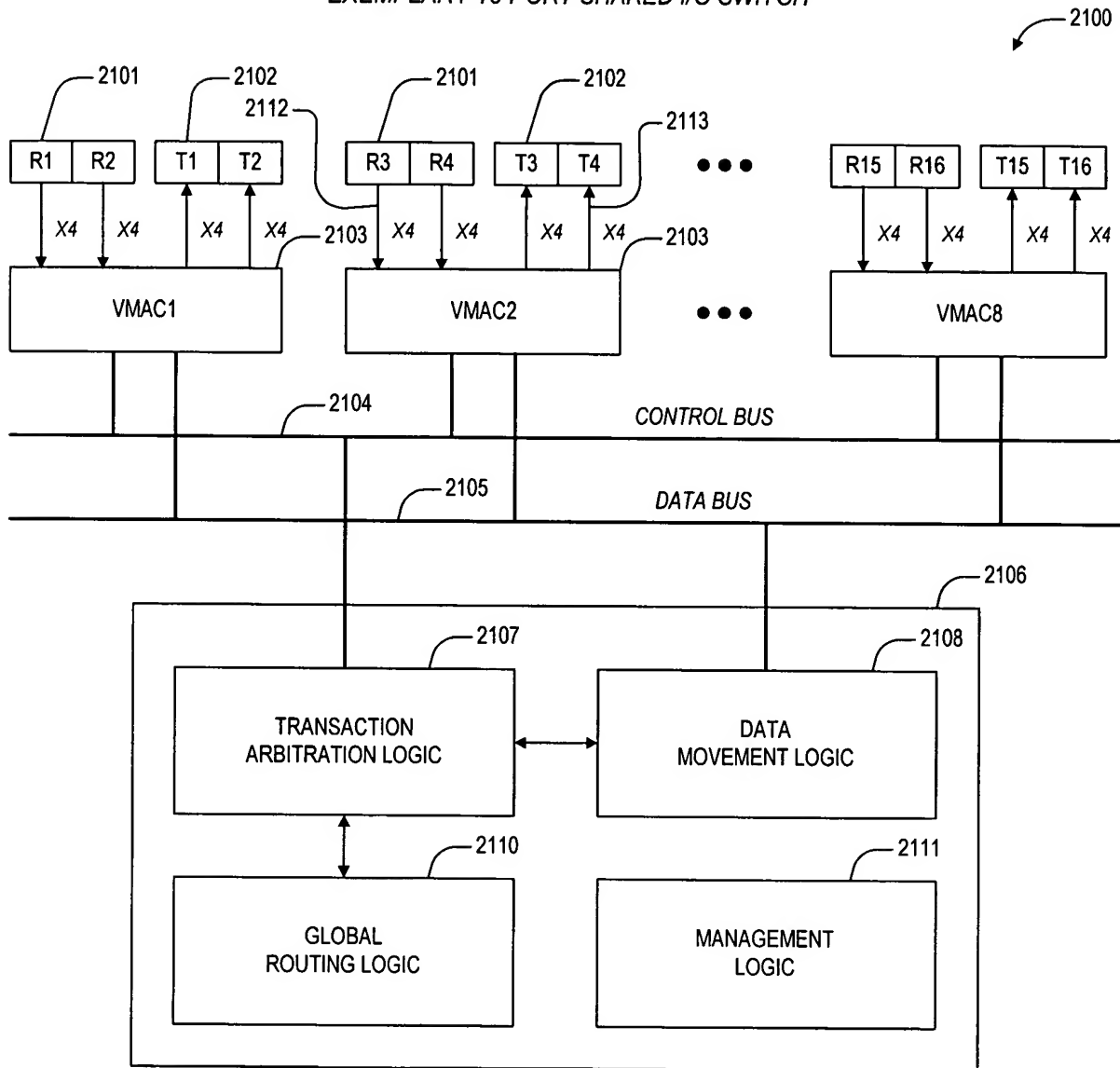


FIG. 22

VMAC DETAILS

